

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B7/125 H01S5/0683

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 385 537 A (PHILIPS NV) 5 September 1990 (1990-09-05) cited in the application page 4, line 17 – page 6, line 49 abstract	1-10
A	US 4 577 320 A (SAKAMOTO MASAHIRO ET AL) 18 March 1986 (1986-03-18) column 2, line 46 – column 4, line 14; figure 1 abstract	1-10
A	US 4 894 525 A (KAKUTA YOSHIYUKI) 16 January 1990 (1990-01-16) column 3, line 25 – column 6, line 8; figures 2-5 abstract	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Invention
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- *Y* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
14 September 2004	21/09/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Lehnberg, C

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 059 780 A (ADACHI MASATOSHI ET AL) 22 October 1991 (1991-10-22) column 5, line 17 - column 6, line 34; figure 2	1-10

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
EP 0385537	A	05-09-1990	GB 2229268 A CA 2010788 A1 DE 69015382 D1 DE 69015382 T2 EP 0385537 A2 JP 2265033 A US 5067122 A		19-09-1990 27-08-1990 09-02-1995 13-07-1995 05-09-1990 29-10-1990 19-11-1991
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US 4894525	A	16-01-1990	JP 2079229 A JP 2112335 C JP 8027958 B		19-03-1990 21-11-1996 21-03-1996
US 5059780	A	22-10-1991	JP 2935268 B2 JP 3095735 A JP 2795483 B2 JP 3113737 A JP 2795484 B2 JP 3113738 A		16-08-1999 22-04-1991 10-09-1998 15-05-1991 10-09-1998 15-05-1991